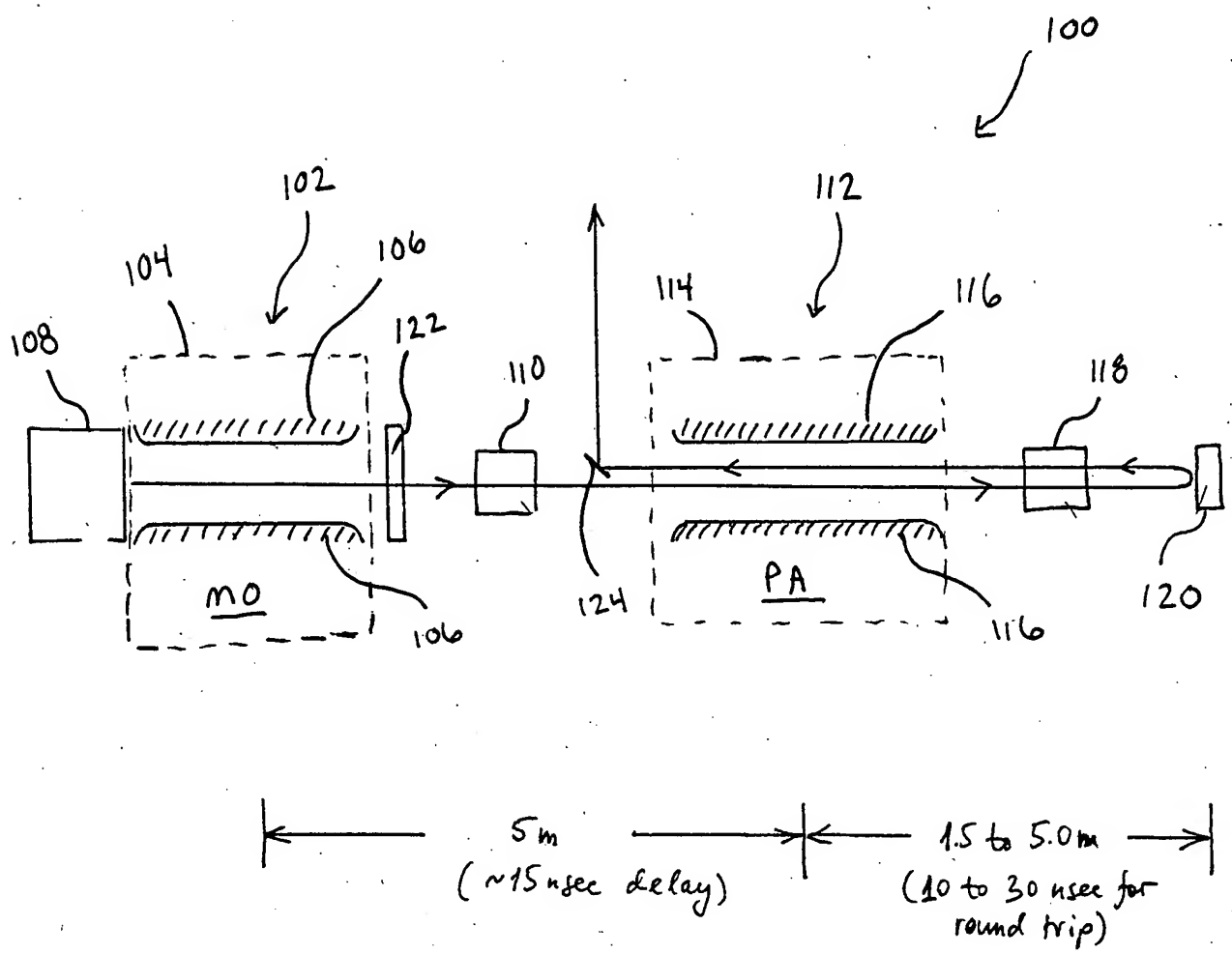
100
102
104
106
108
122
110
112
114
116
118
MO
106
124
PA
116
120
5m
(~15 nsec delay)
1.5 to 5.0m
(10 to 30 nsec for round trip)

Figure 1

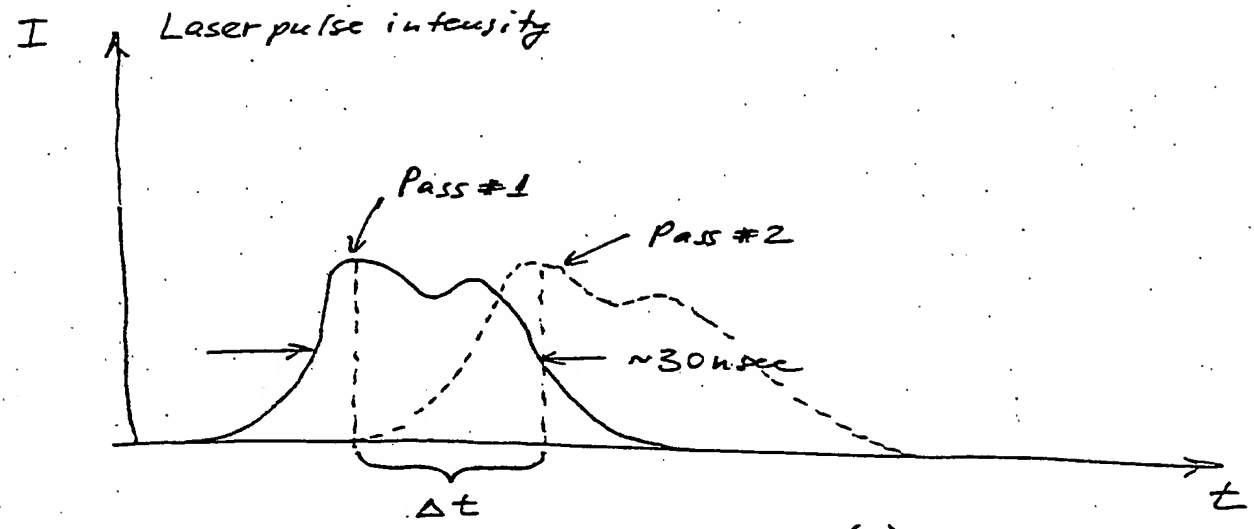

Figure 2 (a)

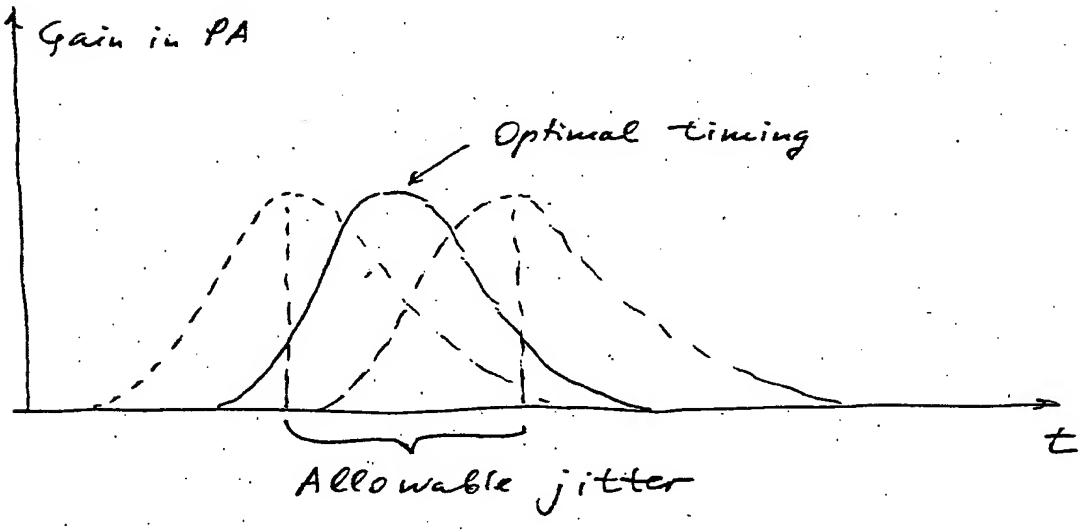

Figure 2 (b)

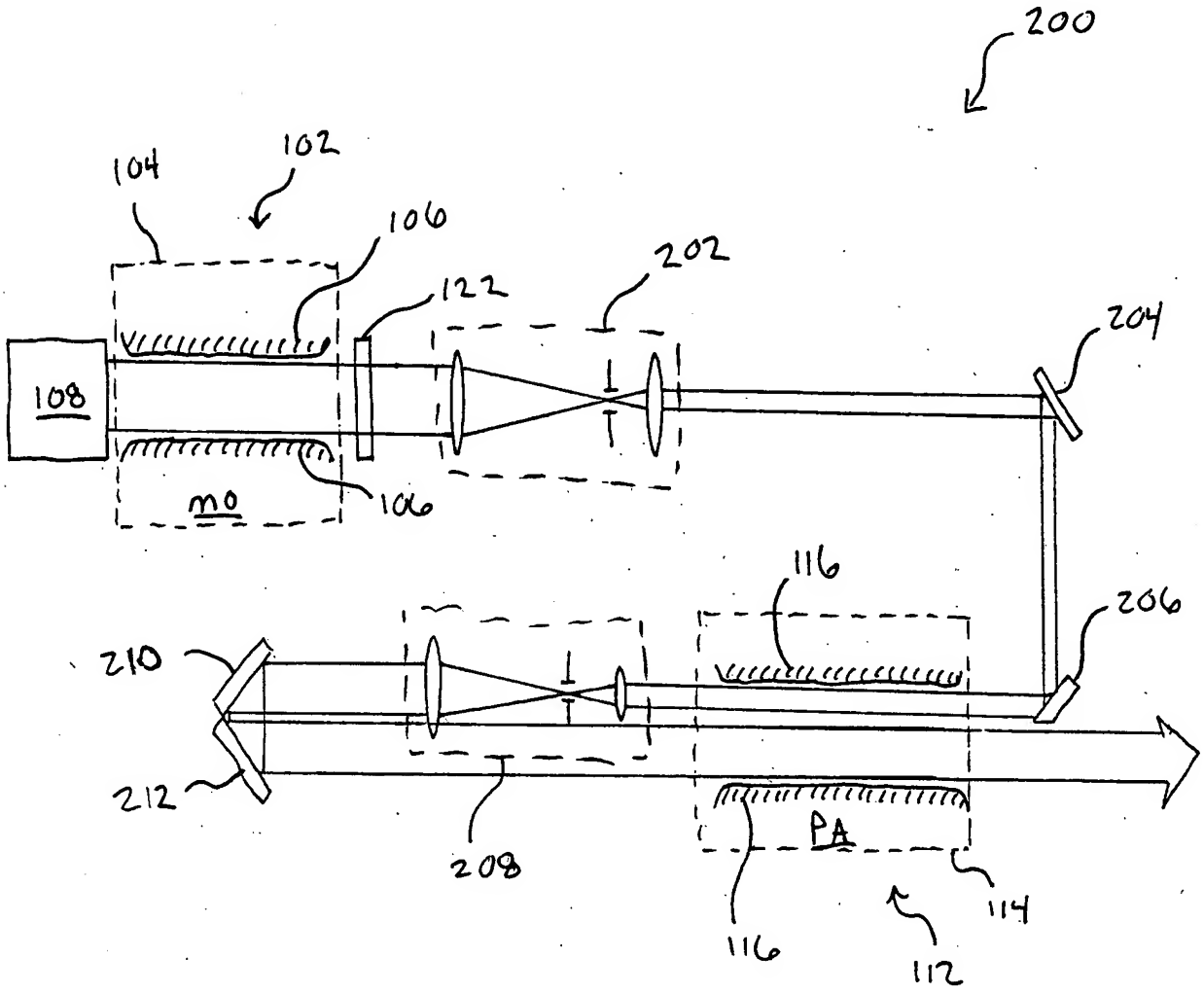
200
104
102
106
202
122
204
108
no
106
116
206
210
212
208
PA
114
116
112

Figure 3

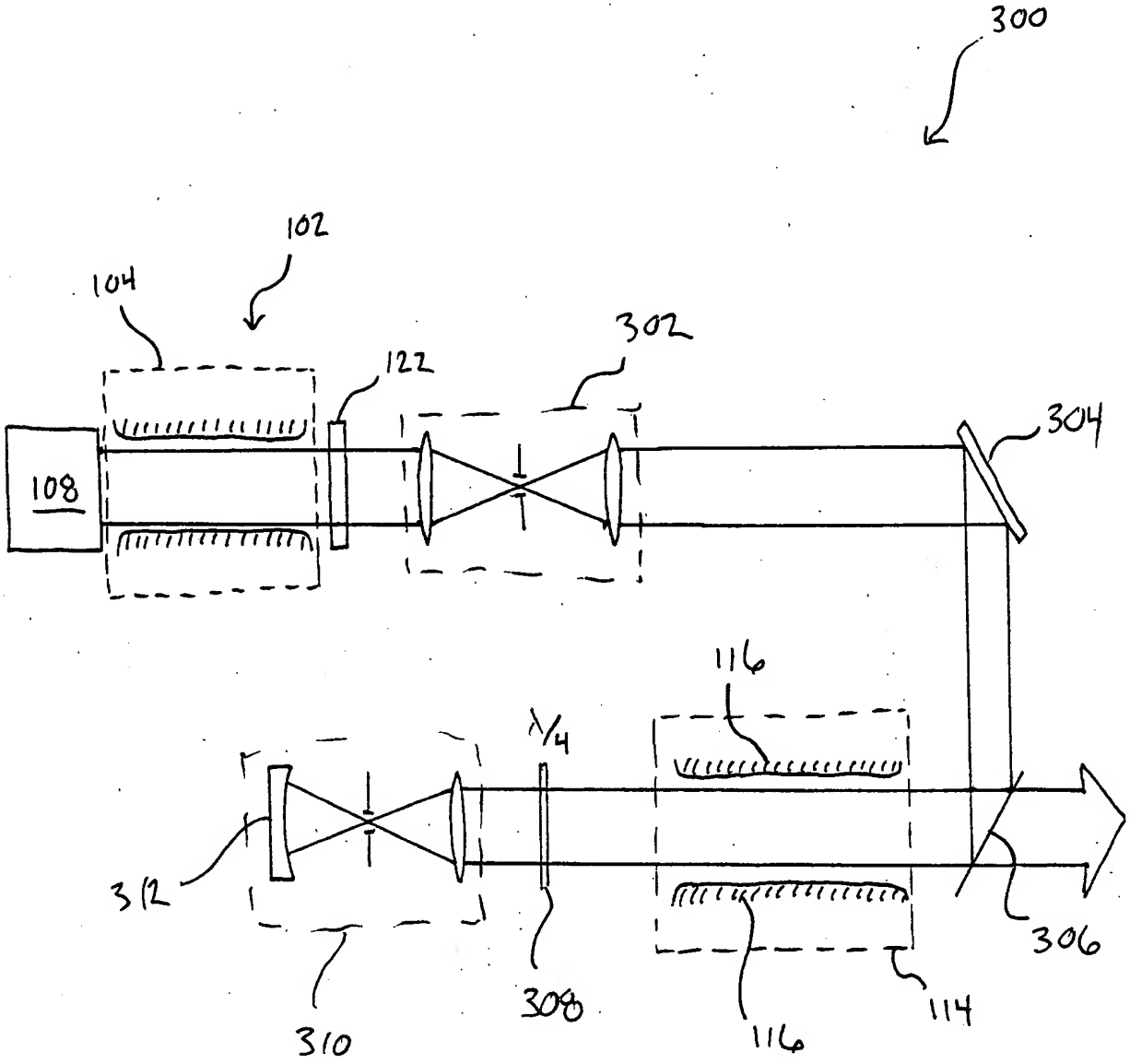

Figure 4

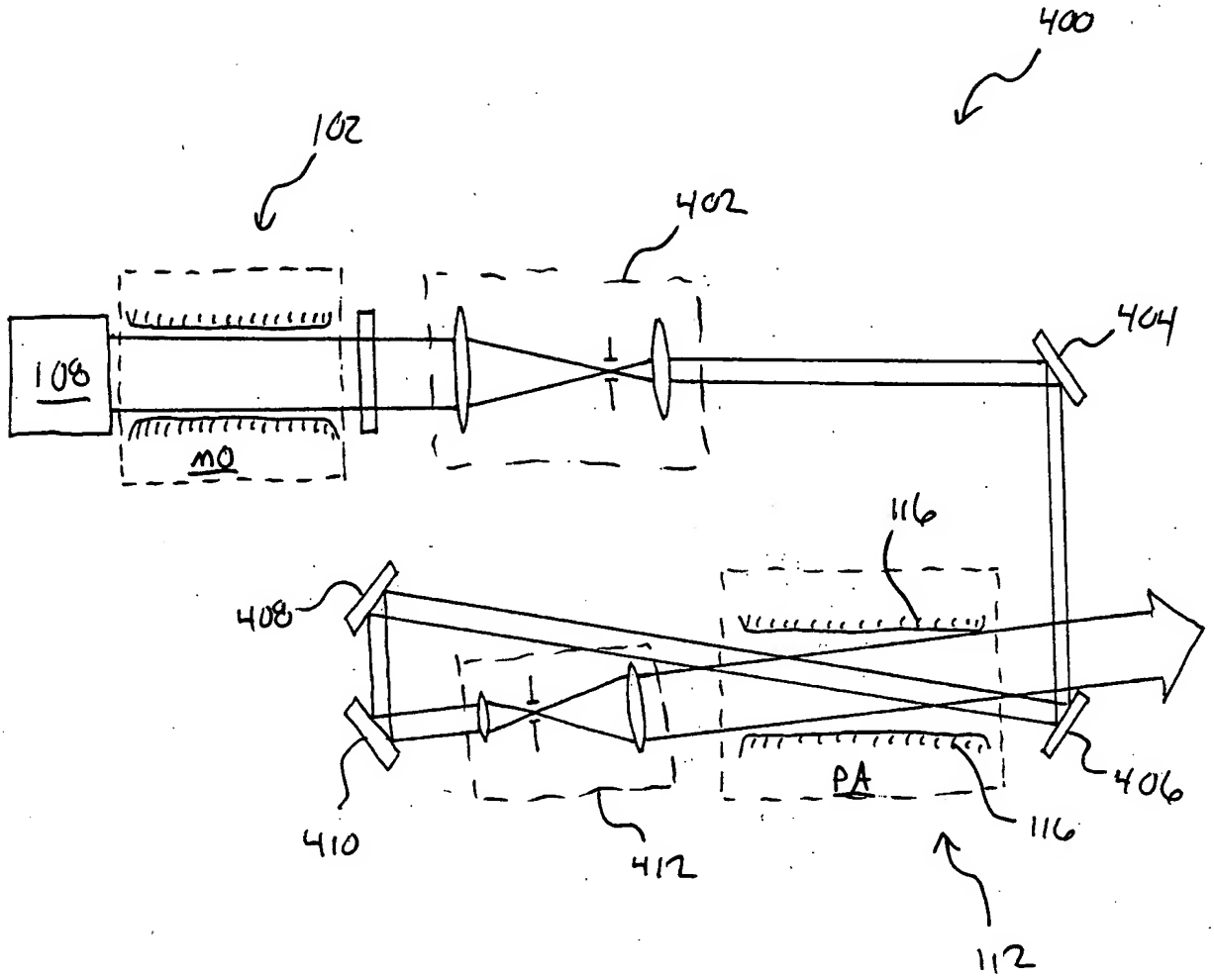

Figure 5

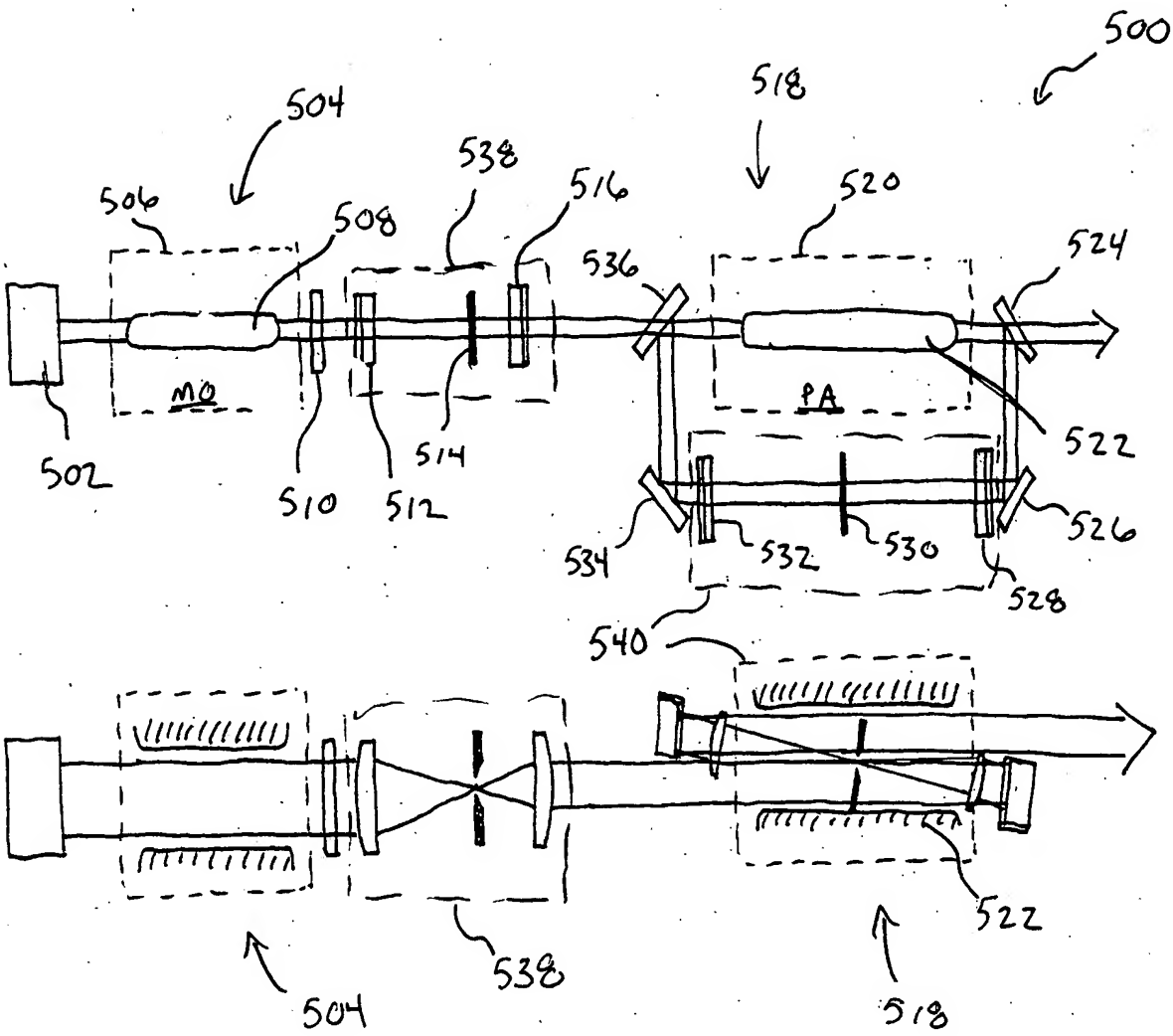
500
504
518
506
508
538
516
520
524
536
MO
PA
502
510
512
514
522
526
534
532
530
528
540
522
538
504
518

Figure 6

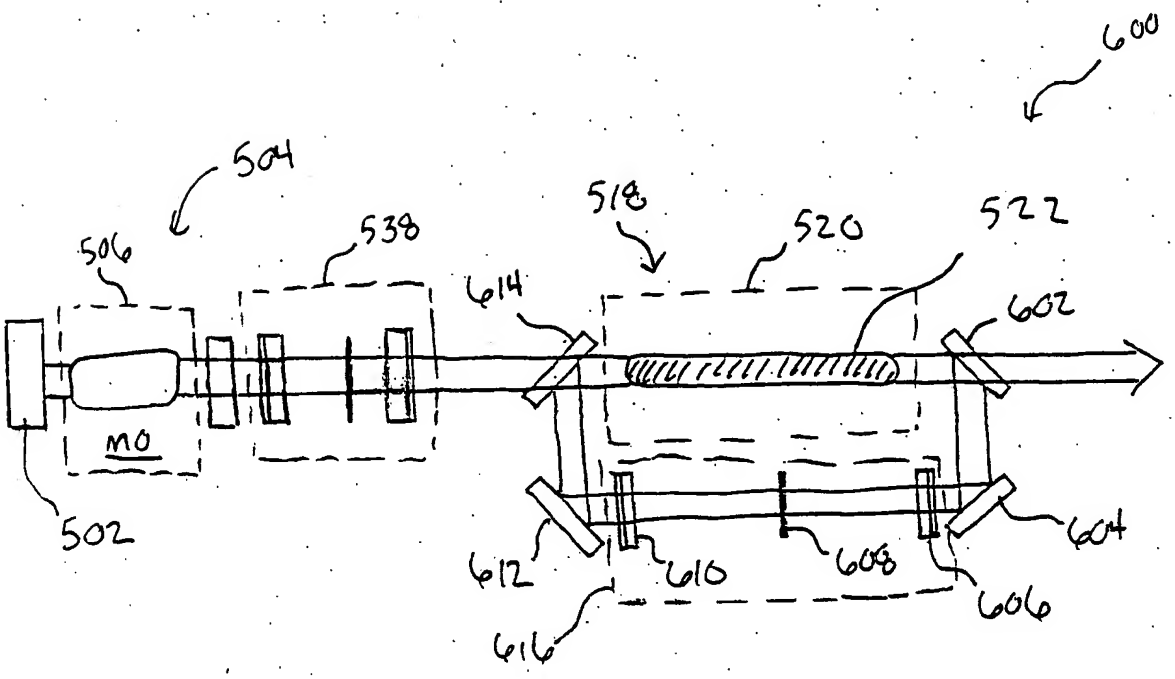

Figure 7 (a)

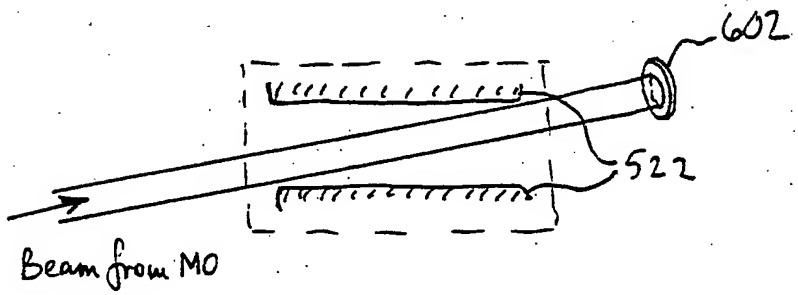

Figure 7 (b)

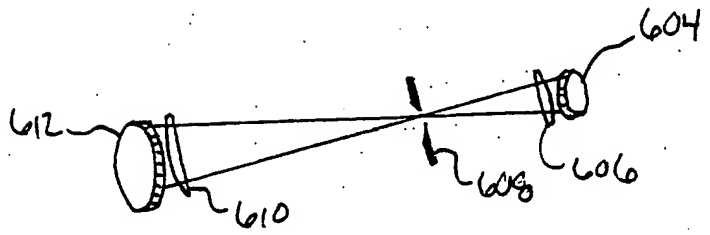

Figure 7 (c)

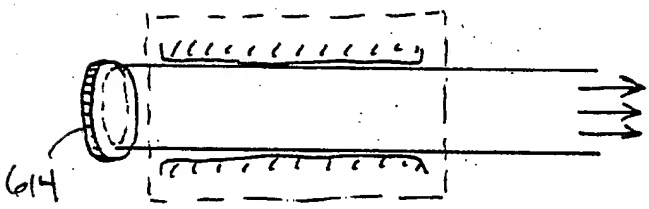

Figure 7(d)

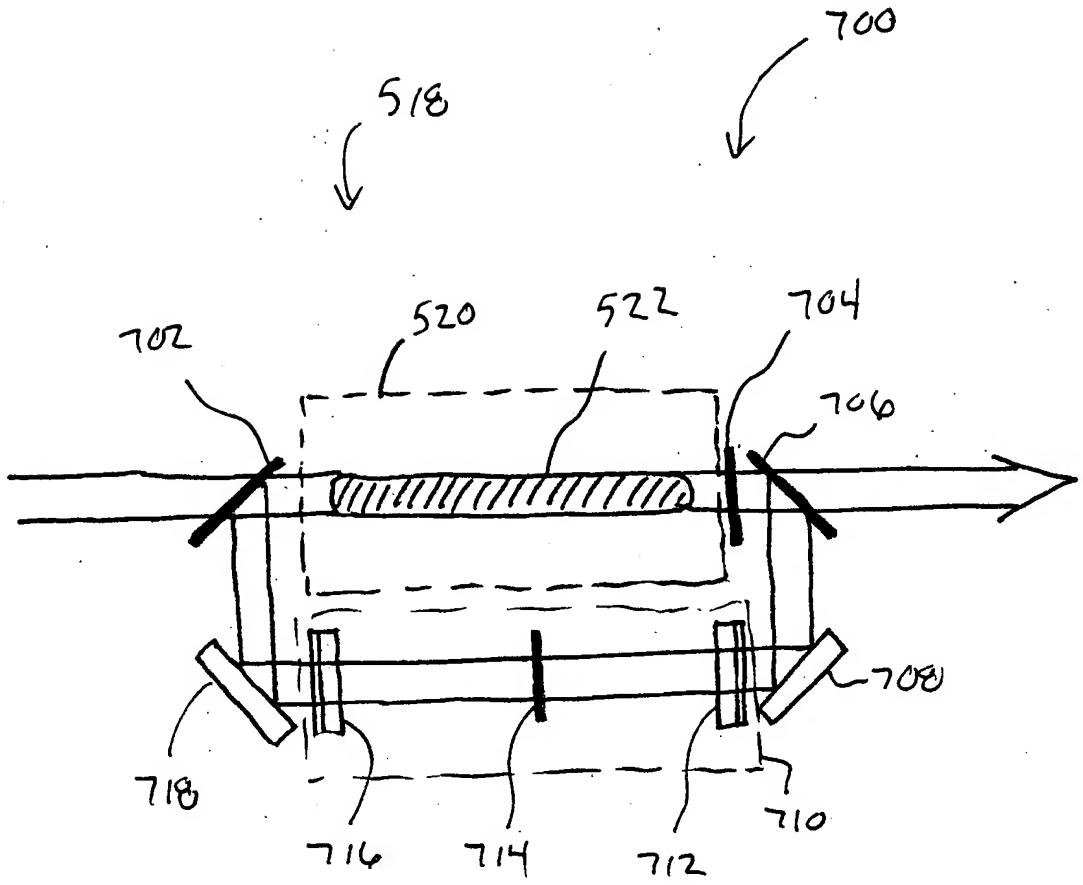

Figure 8

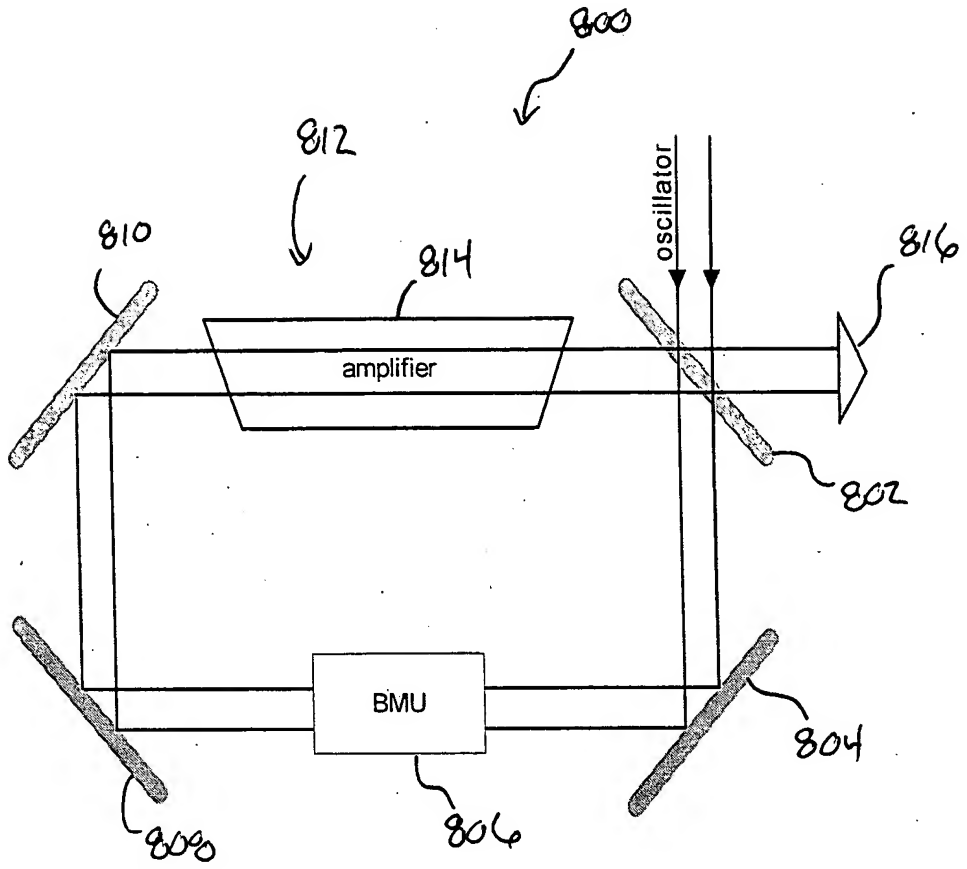

Figure 9

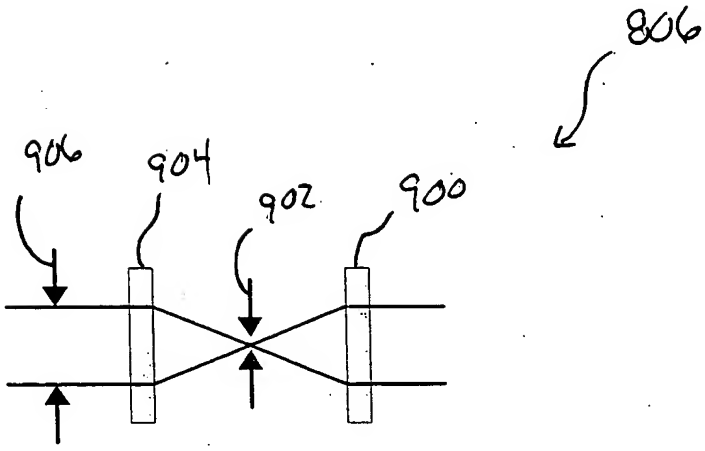

Figure 10

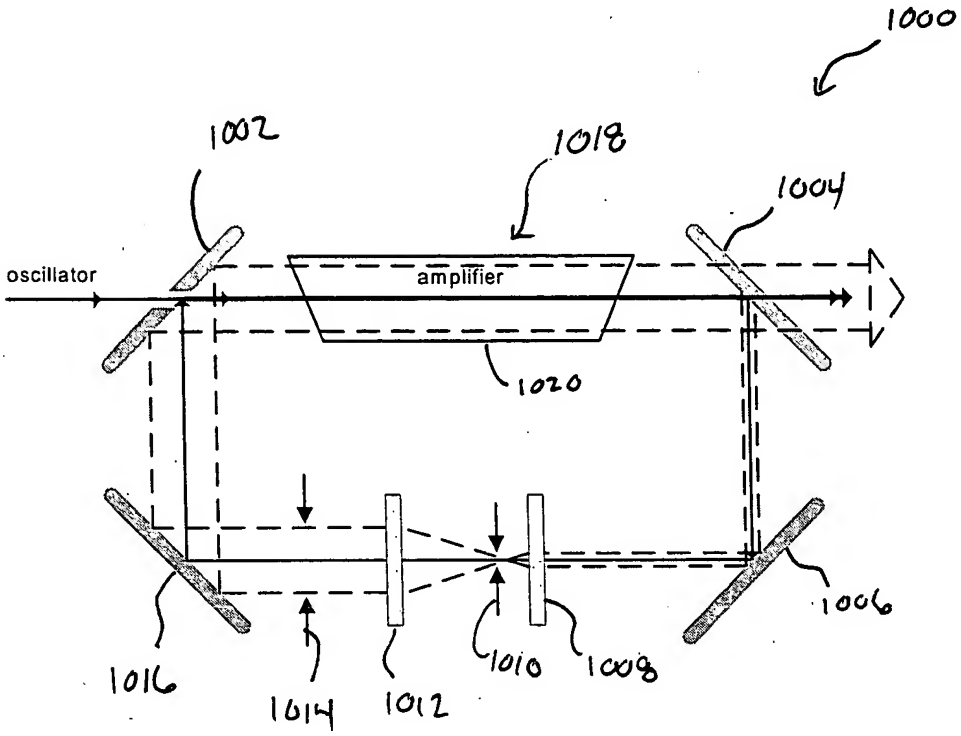
1000
1002
1018
1004
oscillator
amplifier
1020
1006
1016
1014
1012
1010
1008

Figure 11

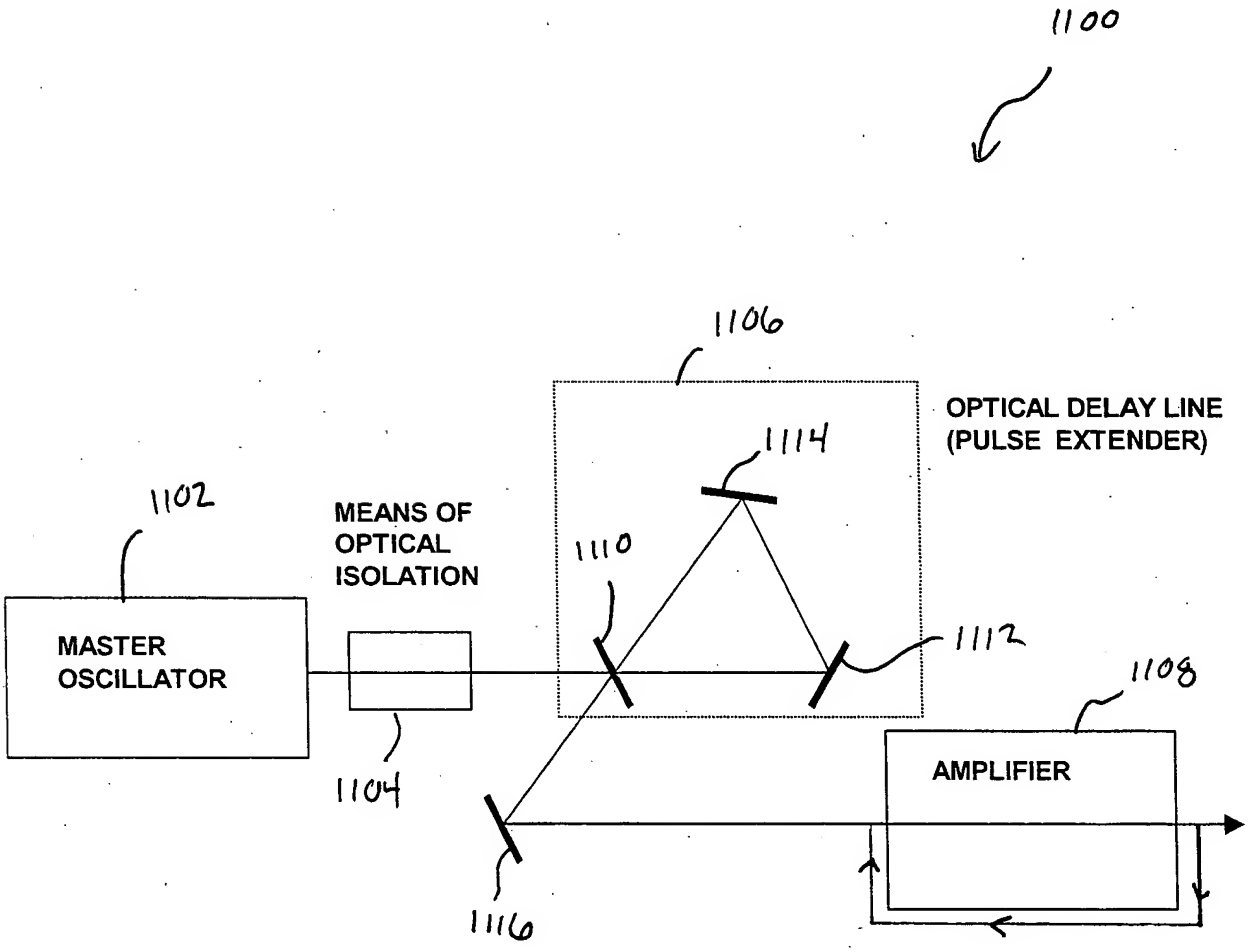
1100
1106
OPTICAL DELAY LINE
(PULSE EXTENDER)
1114
1102
MEANS OF
OPTICAL
ISOLATION
1110
MASTER
OSCILLATOR
1112
1108
AMPLIFIER
1104
1116

Figure 12

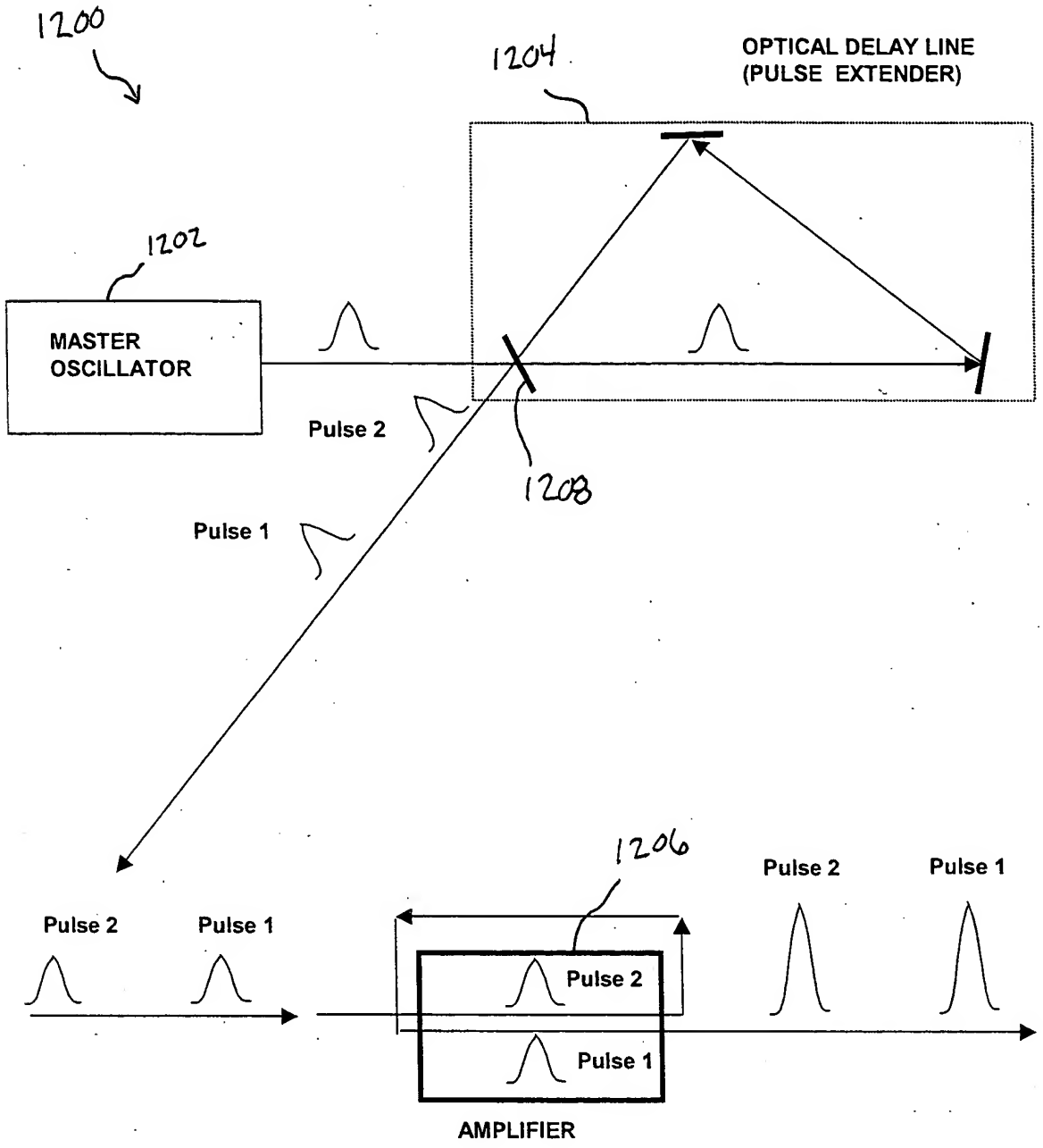
1200
1204
OPTICAL DELAY LINE
(PULSE EXTENDER)
1202
MASTER
OSCILLATOR
Pulse 2
1208
Pulse 1
1206
Pulse 2
Pulse 1
Pulse 2
Pulse 1
Pulse 2
Pulse 1
AMPLIFIER

Figure 13